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Range: from **begin** to **end**  Reverse complemented strand Features:

**1: BC029520. Reports Homo sapiens WD r...[gi:20810486]**

Links

LOCUS BC029520 1564 bp mRNA linear PRI 28-JUL-2005  
 DEFINITION Homo sapiens WD repeat, SAM and U-box domain containing 1, mRNA  
 (cDNA clone MGC:33855 IMAGE:5301559), complete cds.  
 ACCESSION BC029520  
 VERSION BC029520.1 GI:20810486  
 KEYWORDS MGC.  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;  
 Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 1564)  
 AUTHORS Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G.,  
 Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,  
 Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K.,  
 Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F.,  
 Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L.,  
 Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L.,  
 Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,  
 Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,  
 Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J.,  
 McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S.,  
 Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W.,  
 Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A.,  
 Fahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S.,  
 Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y.,  
 Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D.,  
 Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M.,  
 Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smailus, D.E.,  
 Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A.  
 CONSRTM Mammalian Gene Collection Program Team  
 TITLE Generation and initial analysis of more than 15,000 full-length  
 human and mouse cDNA sequences  
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)  
 PUBMED 12477932  
 REFERENCE 2 (bases 1 to 1564)  
 AUTHORS .  
 CONSRTM NIH MGC Project  
 TITLE Direct Submission  
 JOURNAL Submitted (01-MAY-2002) National Institutes of Health, Mammalian  
 Gene Collection (MGC), Bethesda, MD 20892-2590, USA  
 REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>  
 COMMENT Contact: MGC help desk  
 Email: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)  
 Tissue Procurement: Miklos Palkovits, M.D., Ph.D.  
 cDNA Library Preparation: Michael J. Brownstein (NHGRI) & Shiraki

Toshiyuki and Piero Carninci (RIKEN)  
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
 DNA Sequencing by: Sequencing Group at the Stanford Human Genome  
 Center, Stanford University School of Medicine, Stanford, CA 94305  
 Web site: <http://www-shgc.stanford.edu>  
 Contact: (Dickson, Mark) mcd@paxil.stanford.edu  
 Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,  
 R. M.

Clone distribution: MGC clone distribution information can be found  
 through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
 Series: IRAK Plate: 48 Row: o Column: 11  
 This clone was selected for full length sequencing because it  
 passed the following selection criteria: matched mRNA gi: 22749102.

FEATURES	Location/Qualifiers
source	1..1564 <i>/organism="Homo sapiens"</i> <i>/mol_type="mRNA"</i> <i>/db_xref="taxon:9606"</i> <i>/clone="MGC:33855 IMAGE:5301559"</i> <i>/tissue_type="Brain, hypothalamus"</i> <i>/clone_lib="NIH_MGC_96"</i> <i>/lab_host="DH10B"</i> <i>/note="Vector: pBluescriptR"</i>
gene	1..1564 <i>/gene="WDSUB1"</i> <i>/note="synonyms: FLJ36175, UBOX6"</i> <i>/db_xref="GeneID:151525"</i>
CDS	146..1300 <i>/gene="WDSUB1"</i> <i>/codon_start=1</i> <i>/product="WDSUB1 protein"</i> <i>/protein_id="AAH29520.1"</i> <i>/db_xref="GI:20810487"</i> <i>/db_xref="GeneID:151525"</i> <i>/translation="MVKLIHTLADHGDDVNCCAFSFSLLATCSLDKTIRLYSLRDFTE    LPHSPLKFHTYAVHCCFSPSGHILASCSTDGTVLWNTENGQMLAVMEQPSGSPVRV    CQFSPDSTCLASGAADGTVVLWNAQSYKLYRCGSVKDGS LAACAFSPNGSFFVTGSSC    GDLTVWDDKMRCILHSEKAHDLGITCCDFSSQPVSDGEQGLQFFRLASCQDCQVKIWI    VSFTDILARRTEHQLKQFTEDWSEEDVSTWLCAQDLKDLVGI FKMNNDGKELLNLTK    ESLADDLKIESLGLRSKVLRKIEELRTKVKSLSSGIPDEFICPITRELMKDPVIASDG    YSYEKEAMENWISKKRTSPMTNLVLPASAVLTPNRTLKMAINRWLETHQK"</i>
<u>misc_difference</u>	663 <i>/gene="WDSUB1"</i> <i>/note="T in cDNA is C in the human genome; amino acid difference: L in cDNA, P in the human genome. The chimpanzee genome agrees with the cDNA sequence, suggesting that this difference is unlikely to be due to an artifact; Differences found between this sequence and the human reference genome (build 35) are described in misc_difference features below and these differences were also compared to chimpanzee genomic sequences available as of 09/15/2004 00:00:00"</i>
<u>misc_difference</u>	812 <i>/gene="WDSUB1"</i> <i>/note="G in cDNA is C in the human genome; amino acid difference: D in cDNA, H in the human genome. The chimpanzee genome agrees with the human genomic sequence and not the cDNA; Differences found between this sequence and the human reference genome (build 35) are described in</i>

misc\_difference features below and these differences were also compared to chimpanzee genomic sequences available as of 09/15/2004 00:00:00"

misc\_difference 1536..1564  
/gene="WDSUB1"  
/note="polyA tail: 29 bases do not align to the human genome; Differences found between this sequence and the human reference genome (build 35) are described in misc\_difference features below and these differences were also compared to chimpanzee genomic sequences available as of 09/15/2004 00:00:00"

## ORIGIN

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1381	aaagcaaaac	aggaaaaagg	taaaactt	ttttagtt	acctata	aaaaattgtcaatt
1441	ttcattctt	aaaaaacaca	tggacttact	ataaaagcct	tttgtacta	gtgaaaagaa
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1561	aaaa					

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